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Publication date:
2018

Document Version
Publisher's PDF, also known as Version of record

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Citation (APA):
Olsen, J. V., Calvo Artavia, F. F., Sandø, P., & Toft, N. (2018). *Cost of LA-MRSA Eradication From Dansih Pig Herds*. Poster session presented at SVEPM 2018, Tallinn, Estonia.

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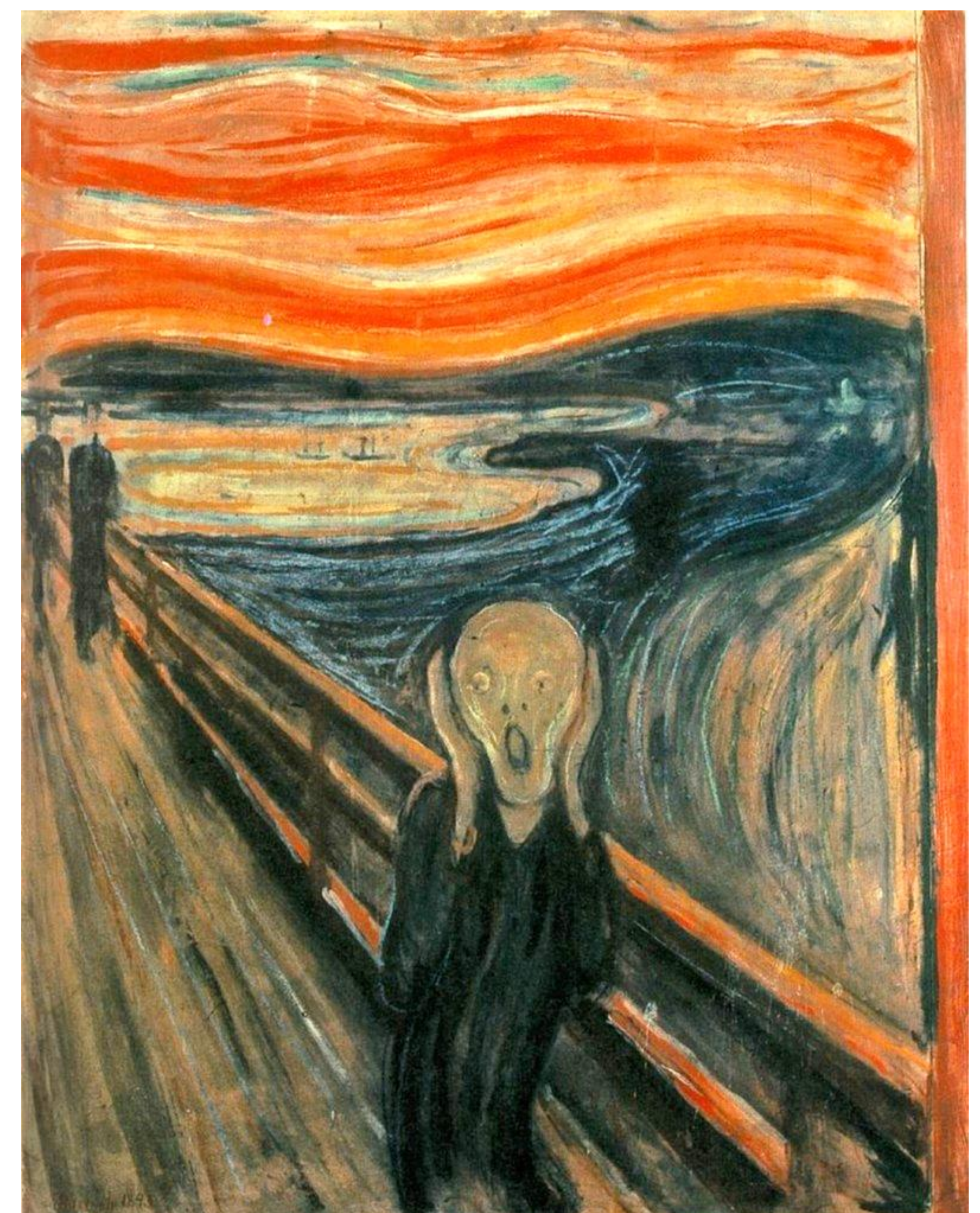
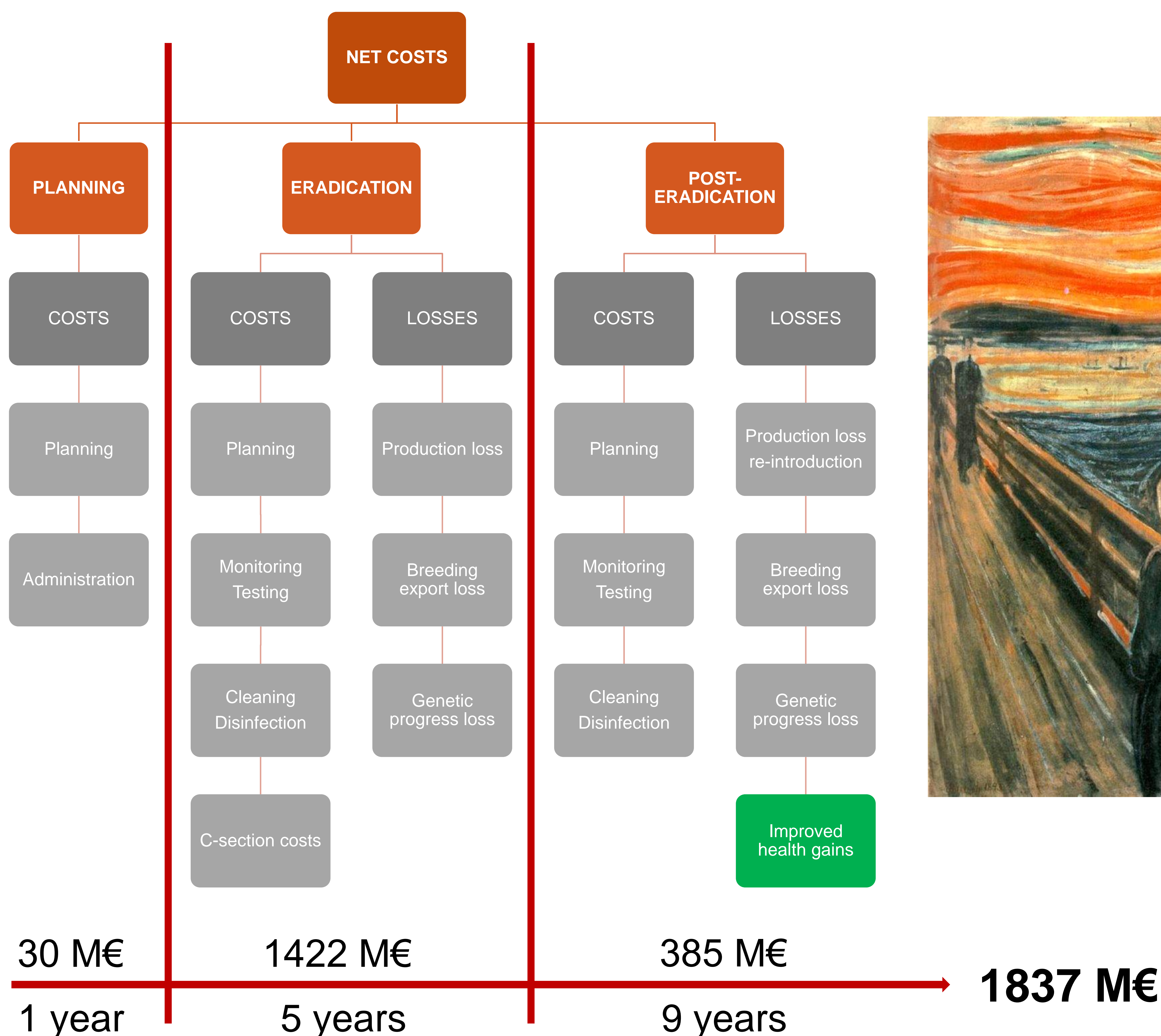
COST OF LA-MRSA ERADICATION FROM DANISH PIG HERDS

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OBJECTIVE: Estimate the total cost of conducting an eradication program for livestock-associated methicillin-resistant *Staphylococcus aureus* (LA-MRSA), with a high prevalence, by depopulation of all positive pig herds in Denmark.

How were the costs estimated?

- Gross margin analysis
- Conservative approach
- Prevalence 88%
- Time horizon 15 years
- Discount rate 4%
- 5% re-introduction probability
- Full market and export recovery



Edvard Munch, "Skrik" 1893.

SENSITIVITY ANALYSIS:

- Time horizon 20 years
- Discount rate 2%
- 25% reduction future export
- 10% re-introduction probability

CONCLUSIONS:

- Costs extremely high
- Associated benefits lower than costs
- Eradication of LA-MRSA seems not cost-effective
- Costs could reach 2.9 B€ (sensitivity analysis)



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